Contatti REO Italia:
+39 030 279 3883 •
info@reoitalia.it

REOTRON SMP-SMB

Installation on mounting wall



Unique Selling Point

- Very good cos PHI of 0,95
- Power Factor Correction
- Compact dimensions
- Series or parallel connection
- Air or water cooled
- Many options of combinations for different requirements with other
- REO product ranges

Description

The REOTRON SMP power supplies are primary switched power supplies with galvanic separation from the input to the output. They can be used as voltage, current or power regulators.

Operation
The unit can be operated from an internal display, external control signals of 0...+10V, 0(4)... 20mA or optionally by a fieldbus interface such as DeviceNet, ProfiBus, CanBus, EtherCAT, EtherNet/IP and ProfiNet protocols.

Input devices
The device input is designed for connection to a three-phase mains 3 x 400 V, 50/60 Hz. The compliance of EMC standards is guaranteed by an input-sided PFC-mains filter.

Design
The devices have a compact design in a 19 inch rackmount chassis and can be delivered as a installation ready control cabinet version or as a tabletop unit (lab version). The devices are air- or water-cooled.

Connection
The SMP's are connected via screw terminals and with cooper terminal buses at high output currents. Like all REO-products, the REOTRON SMP's are also available as customized versions.

High range of performance
The units can be combined to power supplies with higher ratings by connecting the units in series or parallel.

Technical Data

- Output voltage : 25 - 600 V
- Output Current : 2 - 600 A
- Output power : 1000 - 15000 W
- Input voltage switchable : Eingangsspannung umschaltbar [V] V

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Technical Data

Type	REOTRON SMP-SMB
Input voltage:	3x400 V, +/- 10 %, 50/60 Hz
Ripple p-p:	100 mV/200 mV
Setpoint Input:	0...+10 V, DC 0(4)...20 mA, Potentiometer 10 kOhm internal control over display
Actual Output:	0...+10 V, DC 0(4)...20 mA, internal control over display
Interfaces (optional)	DeviceNet, ProfiBus, CanBus, EtherCAT, EtherNet/IP, ProfiNet
Control accuracy:	1% of the nominal value (higher on request)
Rating:	24 V, DC or contact
Protection:	Cabinet installation IP 20
2 x relay status:	Changer 250 V, 1A
Efficiency:	> 85 %
Cos Φ:	0,95
PFC:	0,94
Operating temperature:	0...+45 °C
Standards:	EN 50178, EN 61000-6-2, EN 61000-6-4

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REO Series SMP-SMB	25-40	25-100	25-200	25-300	25-400	25-500	25-600
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...25	0...25	0...25	0...25	0...25	0...25	0...25
Output current [A]	0...40	0...100	0...200	0...300	0...400	0...500	0...600
Dimensions	S	S	M	M	L	L	L

REO Series SMP-SMB	50-20	50-50	50-100	50-150	50-200	50-250	50-300
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...50	0...50	0...50	0...50	0...50	0...50	0...50
Output current [A]	0...20	0...50	0...100	0...150	0...200	0...250	0...300
Dimensions	S	S	M	M	L	L	L

REO Series SMP-SMB	80-13	80-31	80-63	80-94	80-125	80-156	80-188
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...80	0...80	0...80	0...80	0...80	0...80	0...80
Output current [A]	0...13	0...31	0...63	0...94	0...125	0...156	0...188
Dimensions	S	S	M	M	L	L	L

REO Series SMP-SMB	150-7	150-17	150-33	150-50	150-67	150-83	150-100
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...150	0...150	0...150	0...150	0...150	0...150	0...150
Output current [A]	0...7	0...17	0...33	0...50	0...67	0...83	0...100
Dimensions	S	S	M	M	L	L	L

REO Series SMP-SMB	250-4	250-10	250-20	250-30	250-40	250-50	250-60
Output power [W]	0...1000	0...2500	0...5000	0...7500	0...10000	0...12500	0...15000
Output voltage [V]	0...250	0...250	0...250	0...250	0...250	0...250	0...250
Output current [A]	0...4	0...10	0...20	0...30	0...40	0...50	0...60
Dimensions	S	S	M	M	L	L	L

REO Series SMP-SMB	400-2,5	400-6,25	400-12,5	400-18,75	400-25	400-31,25	400-37,5
Output power [W]	0...1000	0...2800	0...5200	0...7600	0...10000	0...12800	0...15000
Output voltage [V]	0...400	0...400	0...400	0...400	0...400	0...400	0...400
Output current [A]	0...2,5	0...6,25	0...13	0...19	0...25	0...32	0...37,5
Dimensions	S	S	M	M	L	L	L

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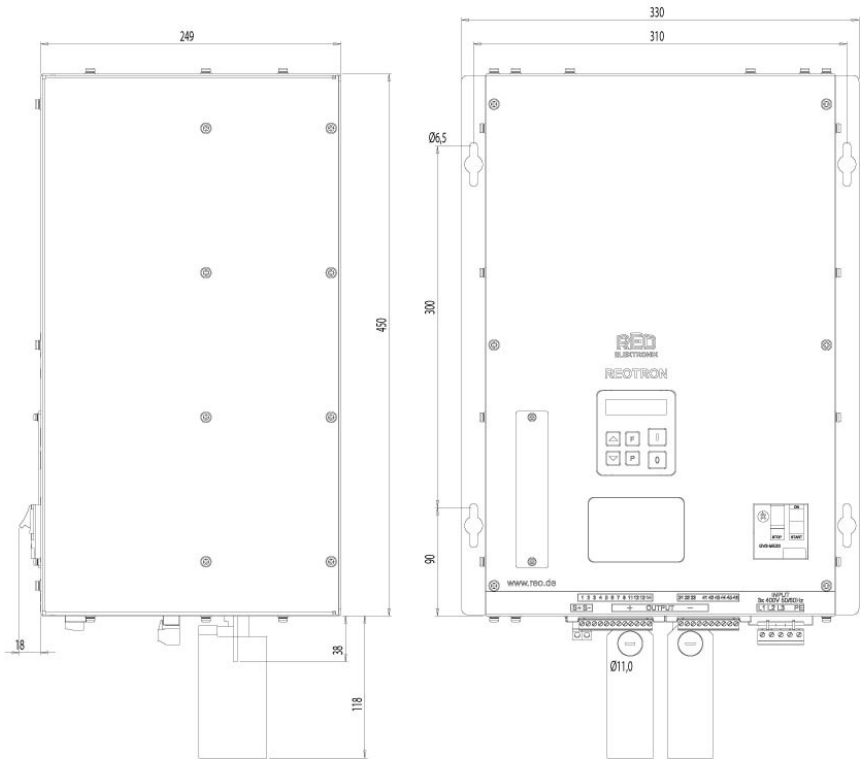
REO Series SMP-SMB	600-2	600-4	600-8	600-13	600-17	600-21	600-25
Output power[W]	0...1200	0...2400	0...4800	0...7800	0...10200	0...12600	0...15000
Output voltage [V]	0...600	0...600	0...600	0...600	0...600	0...600	0...600
Output current [A]	0...2	0...4	0...8	0...13	0...17	0...21	0...25
Dimensions	S	S	M	M	L	L	L

Dimension drawings



Dimensions:

Small (S)
Width = 300 mm
Hight = 400 mm
Depth = 230 mm

Medium size (M)
Width = 330 mm
Hight = 450 mm
Depth= 250 mm

Large (L)
Width = 400 mm
Hight = 480 mm
Depth= 300 mm

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